

FIG. 1

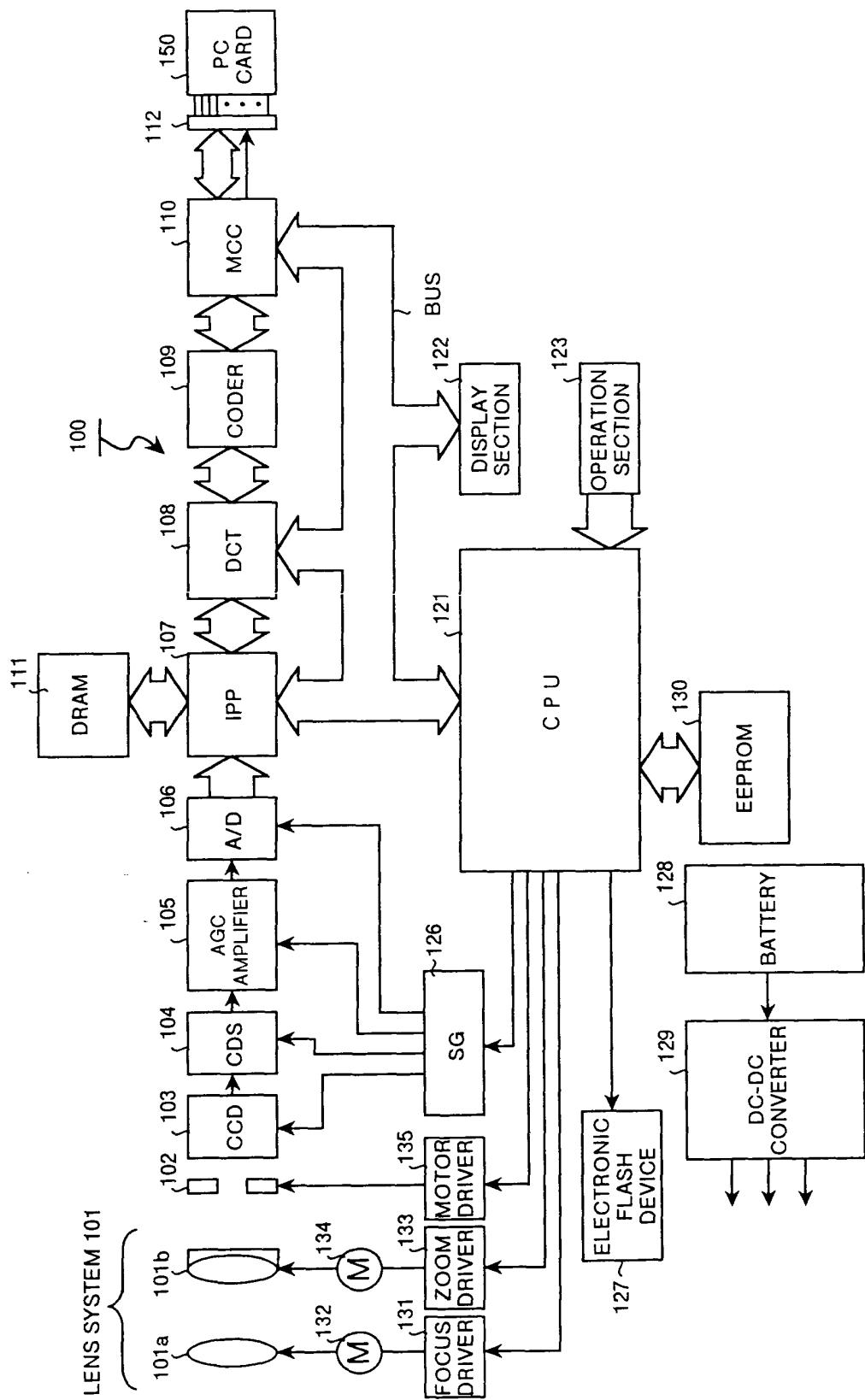


FIG. 2

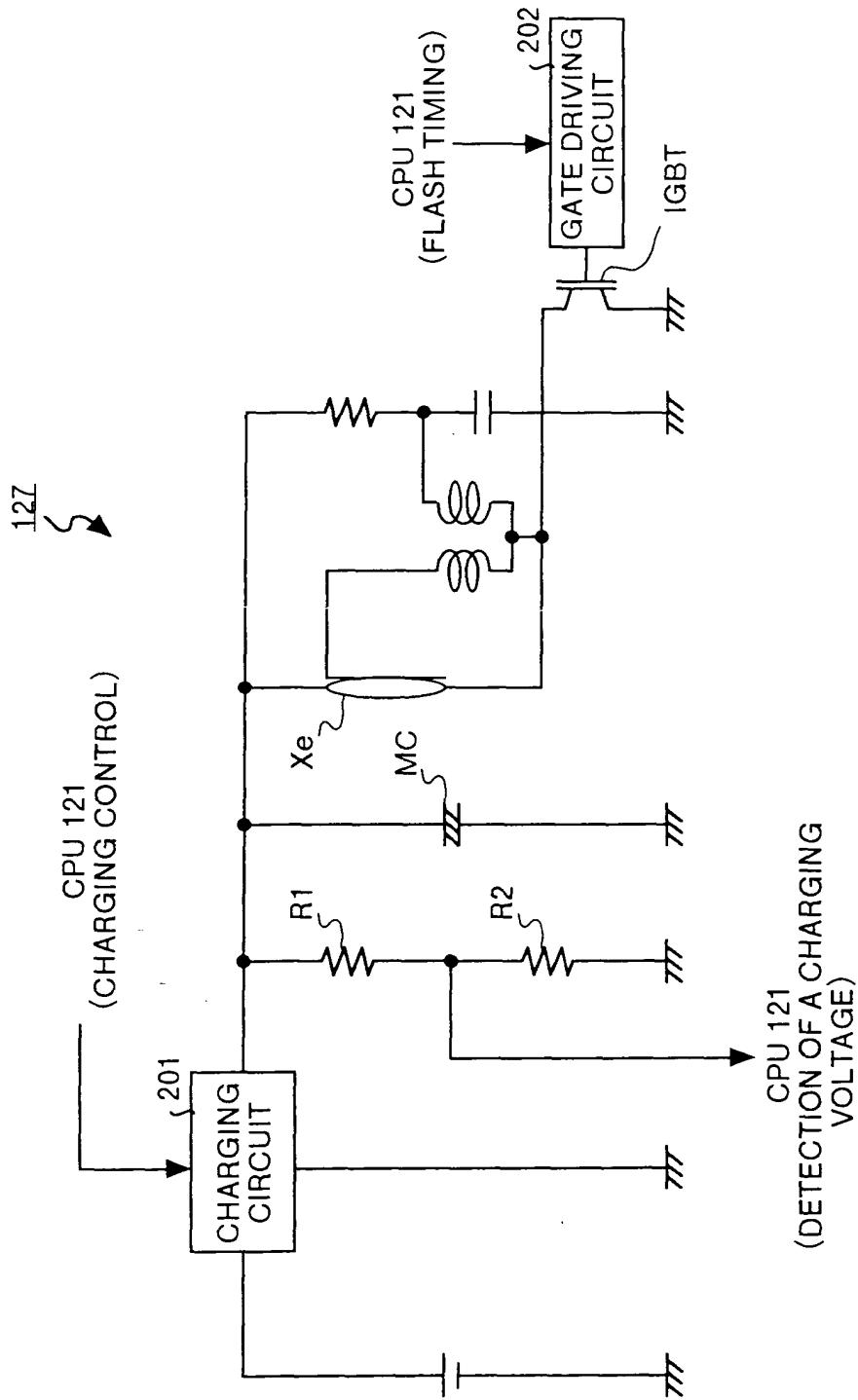


FIG. 3

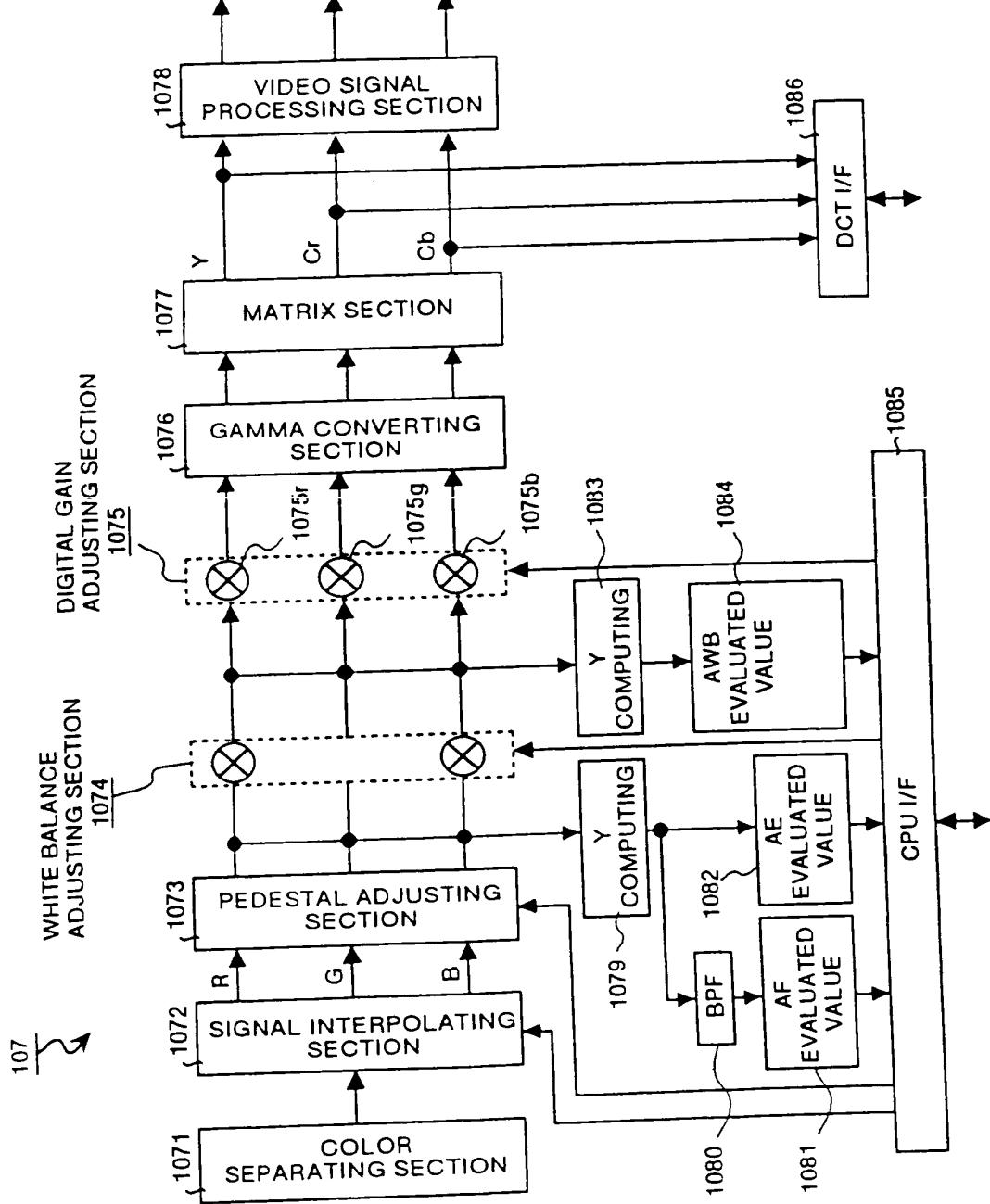


FIG.4

ZOOM STEP	ccdaf	drv data	fp far def	fp near def	fp far calc	fp near calc	nml smp
00	03	00	90	08	19	07	07
01	03	07	2d	10	24	08	
02	03	11	3b	1b	32	09	
03	03	1a	4b	24	40	0a	
04	03	22	5b	2c	50	0b	
05	03	28	6c	35	5f	0c	
06	04	2a	7c	38	6f	0d	
07	04	23	8b	31	7c	0e	
08	04	01	90	11	80	0f	

FIG.5

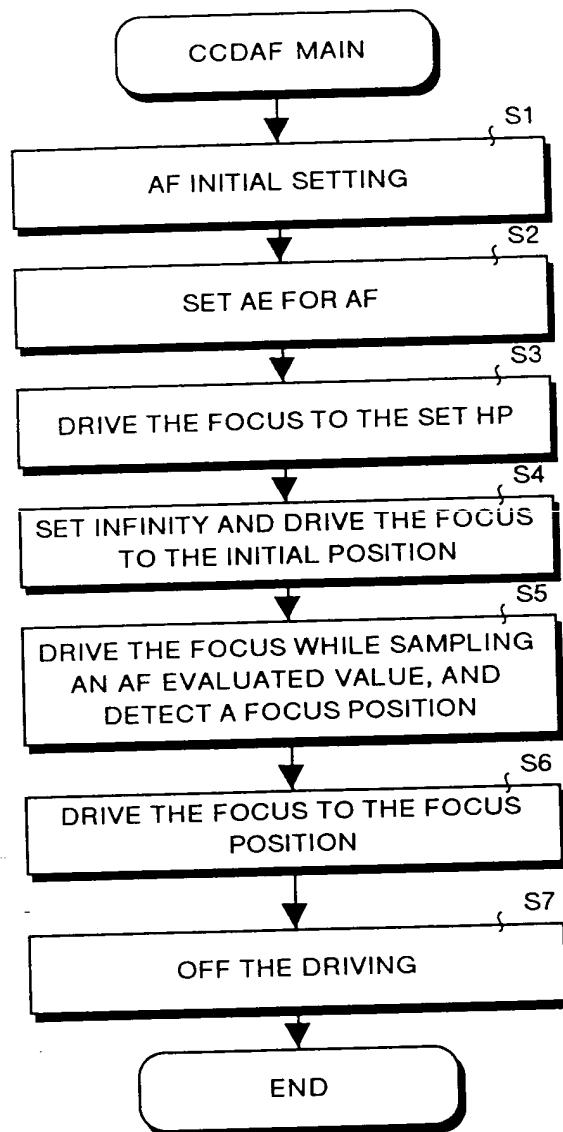


FIG. 6

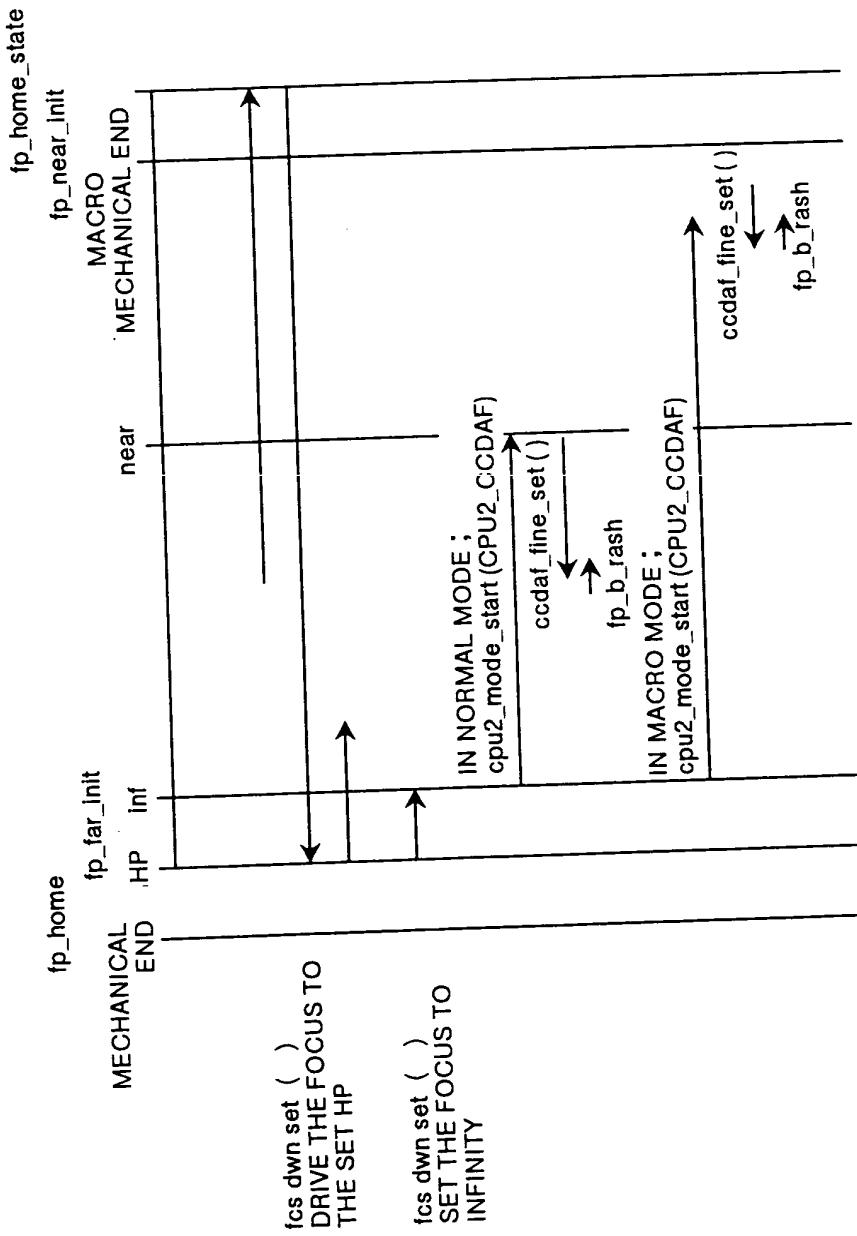


FIG.7

	POS (I)	f (mm)	ZP	No0		No1		No2	
				∞	20cm	∞	20cm	∞	20cm
W END	0	5.1	10	0	17	0	17	0	17
:	1	5.51	26	7	27	8	28	9	29
:	2	6.089	46	17	40	19	42	20	43
:	3	6.742	67	26	54	28	56	31	59
M	4	7.553	89	34	68	38	72	41	75
:	5	8.585	112	40	83	45	87	49	92
:	6	9.944	138	42	98	48	103	53	108
:	7	11.814	168	35	110	41	116	48	123
T END	8	14.55	206	1	112	9	120	17	128

FIG.8

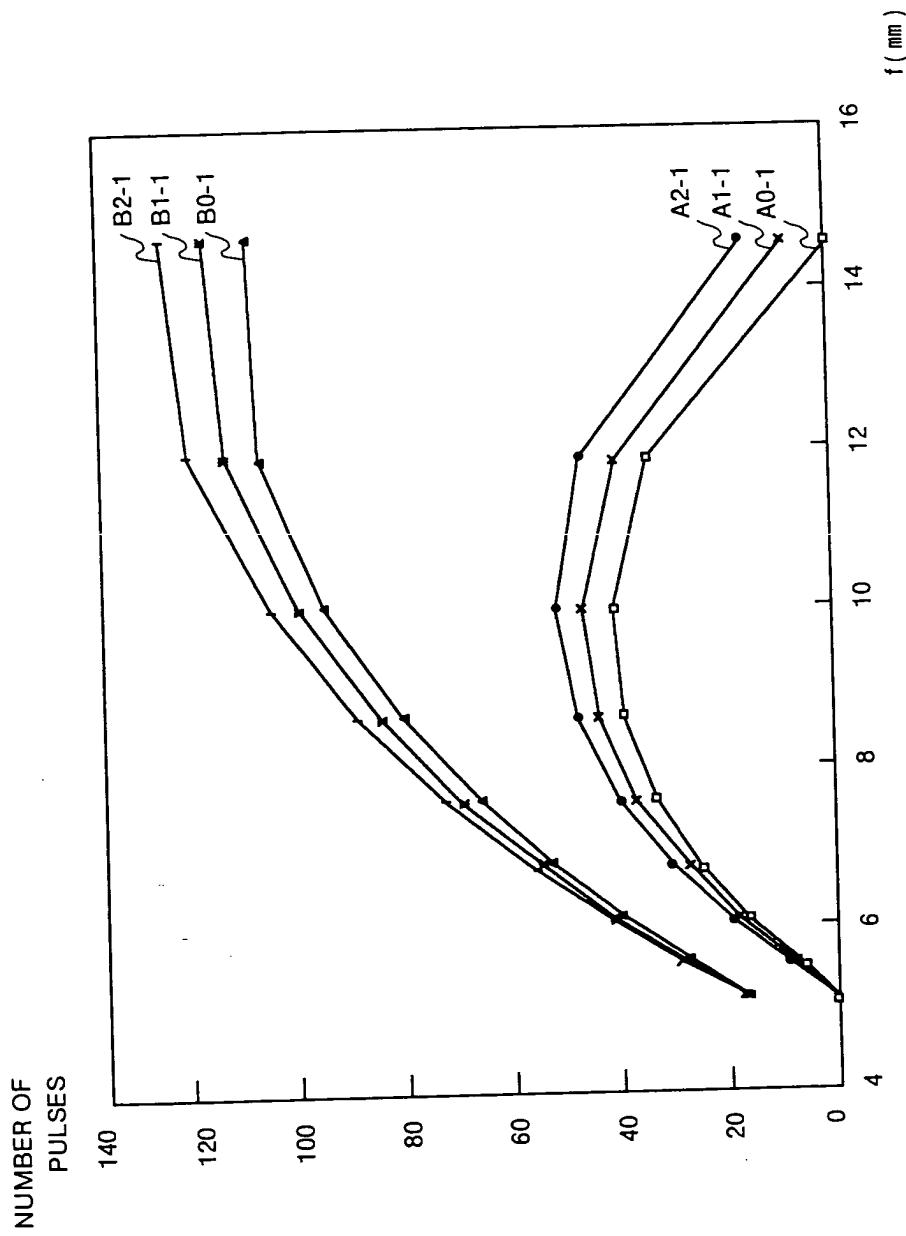


FIG.9

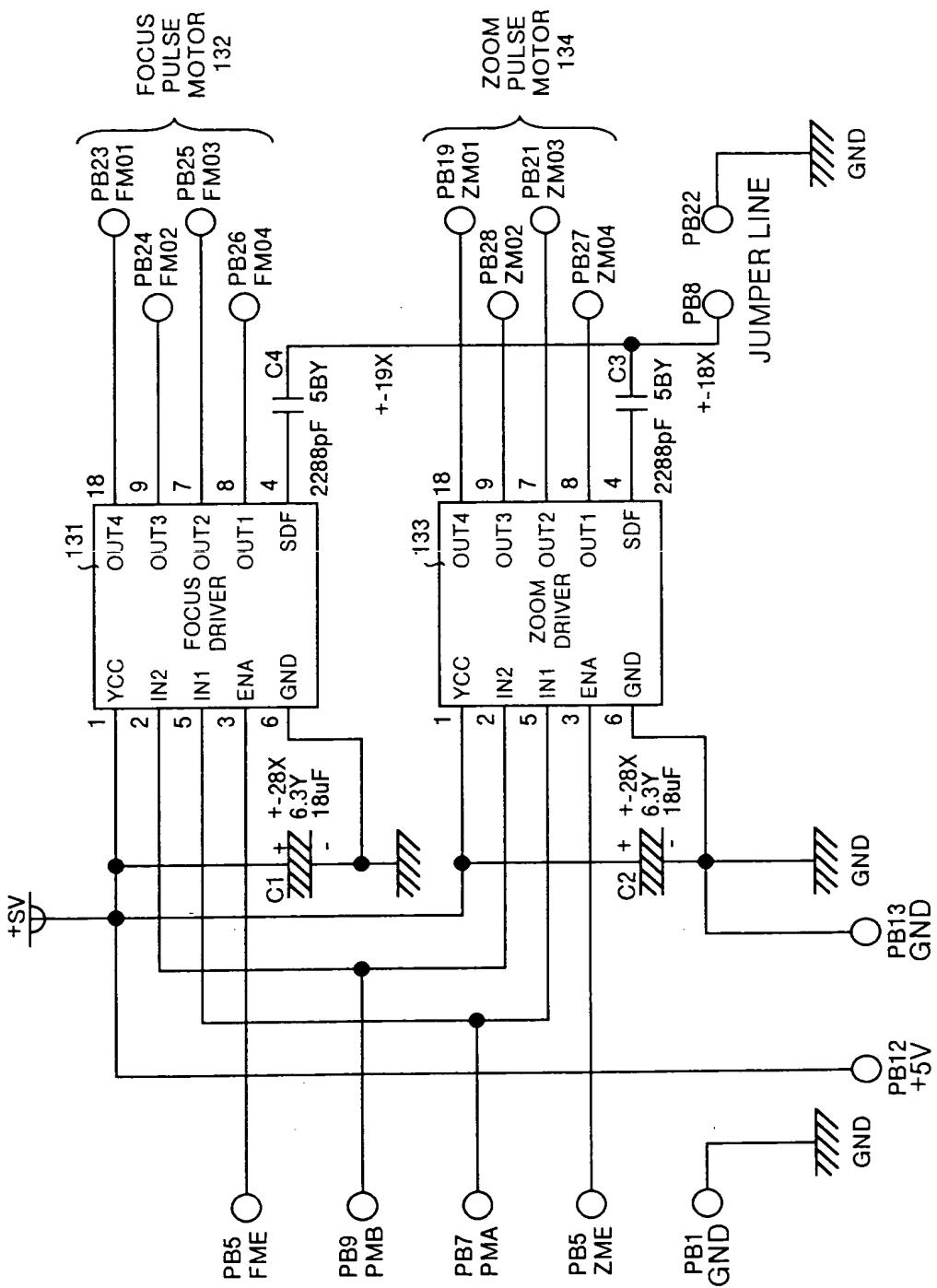


FIG.10

ENA	IN1	IN2	OUT1	OUT2	OUT3	OUT4	REFERENCE
L	—	—	OFF	OFF	OFF	OFF	STANDBY
	L	L	H	L	H	L	
	L	H	H	L	L	H	
H	H	H	L	H	L	H	TWO-PHASE EXCITATION
	H	L	L	H	H	L	

FIG.11A V_D



FIG.11B AF EVALUATED VALUE
SAMPLING TIMING
(FETCH AN IMAGE)



FIG.11C LENS-DRIVING PULSES



FIG.11D FLASH TIMING



FIG.12

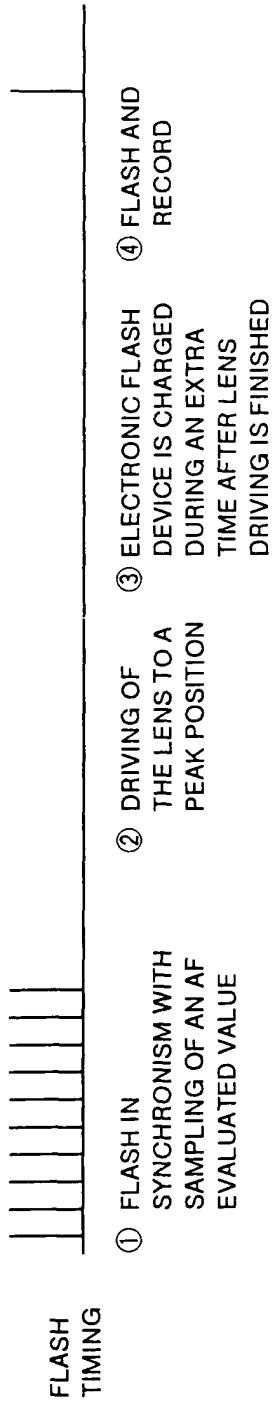


FIG. 13

